

1/16

```
graph TD
    12[PATIENT'S MALOCCLUDED TOOTH/ARCH MODEL SELECTION AND/OR DEFINITION] --> 14[PRESCRIPTION SELECTION]
    14 --> 17[TOOTH/ARCH MODEL PROVIDED FOR DESIRED OCCLUSION, e.g., prescribed or modified maloccluded tooth/arch model]
    17 --> 18{MODIFY PRESCRIPTION OR PATIENT INFORMATION}
    18 -- NO --> 20[SELECT STANDARD BRACKETS FROM THOSE AVAILABLE]
    18 -- YES --> 14
    18 -- YES --> 12
    18 -- YES --> 17
    20 --> 22[DISPLAY AT LEAST REPOSITIONED TOOTH/ARCH MODEL BASED ON AT LEAST BRACKET SELECTION]
    22 --> 24{MODIFY BRACKET SELECTION}
    24 -- YES --> 22
    24 -- NO --> 26[DISPLAY FINAL REPOSITIONED TOOTH/ARCH MODEL BASED ON FINAL BRACKET SELECTION]
```

10

12

PATIENT'S MALOCCLUDED TOOTH/ARCH MODEL SELECTION AND/OR DEFINITION

14

PRESCRIPTION SELECTION

17

TOOTH/ARCH MODEL PROVIDED FOR DESIRED OCCLUSION, e.g., prescribed or modified maloccluded tooth/arch model

18

MODIFY PRESCRIPTION OR PATIENT INFORMATION

16

18

NO

20

SELECT STANDARD BRACKETS FROM THOSE AVAILABLE

22

DISPLAY AT LEAST REPOSITIONED TOOTH/ARCH MODEL BASED ON AT LEAST BRACKET SELECTION

24

MODIFY BRACKET SELECTION

26

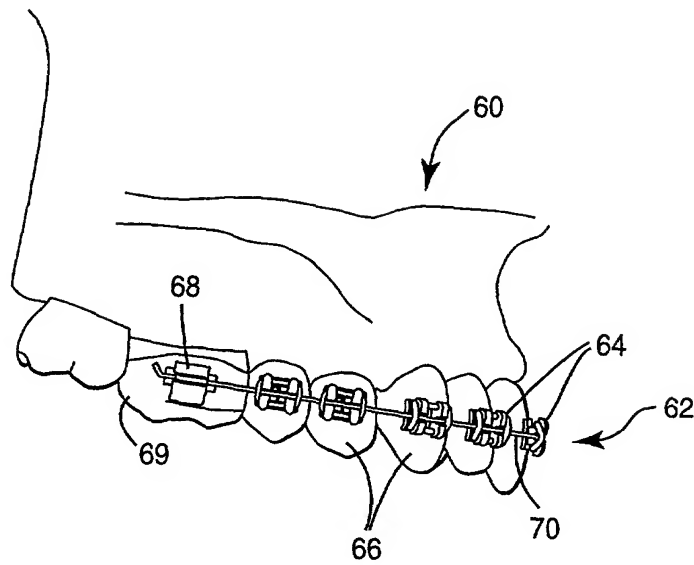
DISPLAY FINAL REPOSITIONED TOOTH/ARCH MODEL BASED ON FINAL BRACKET SELECTION

ADDITIONAL PATIENT INFORMATION

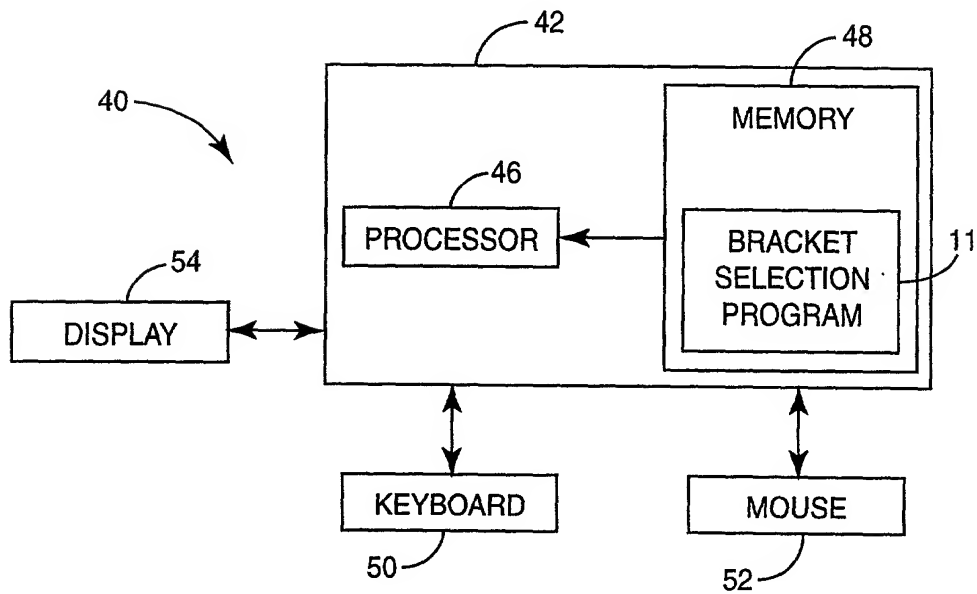
ADDITIONAL PRESCRIPTION INFORMATION

**Fig. 1**

2/16

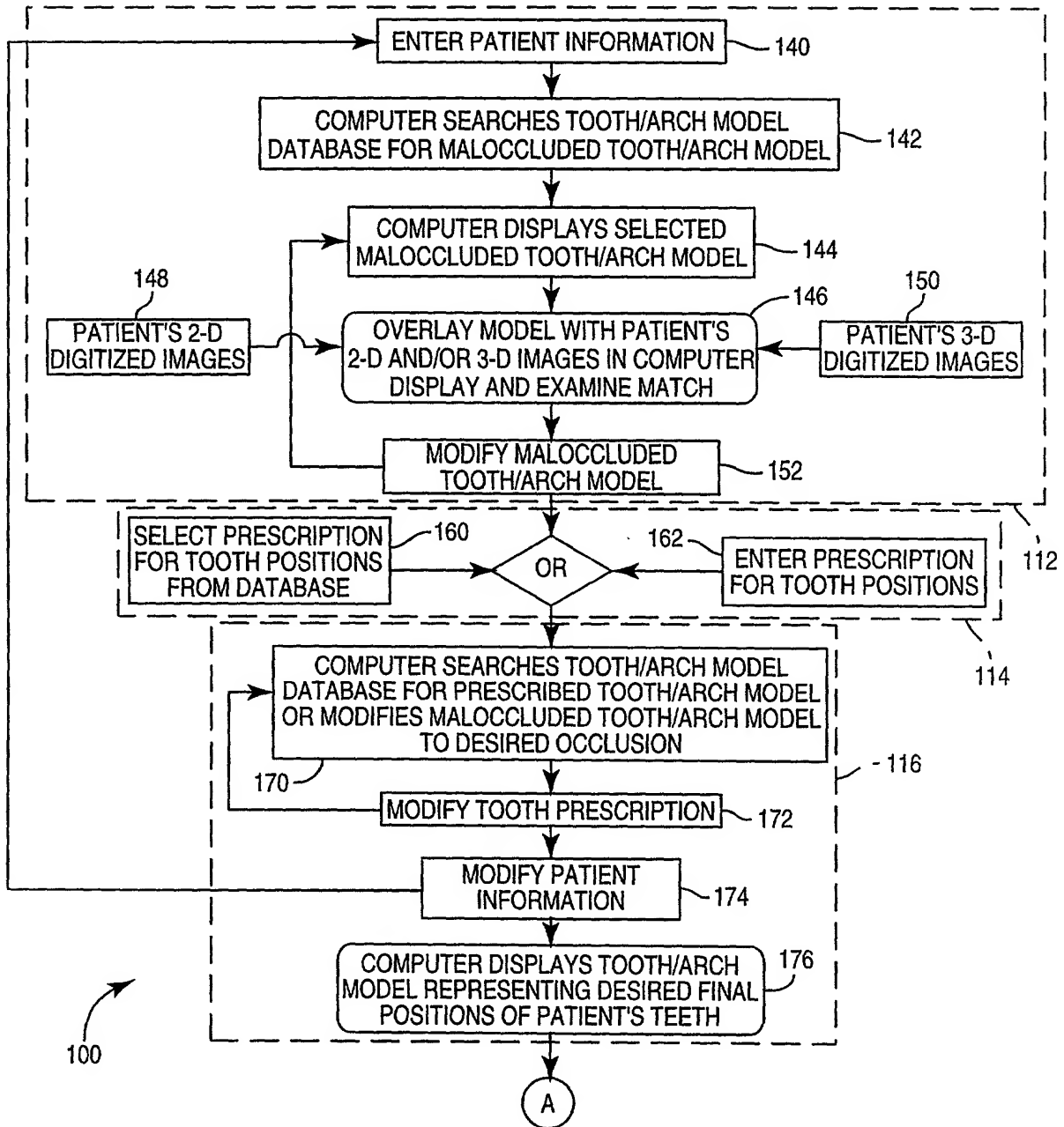


**Fig. 2**



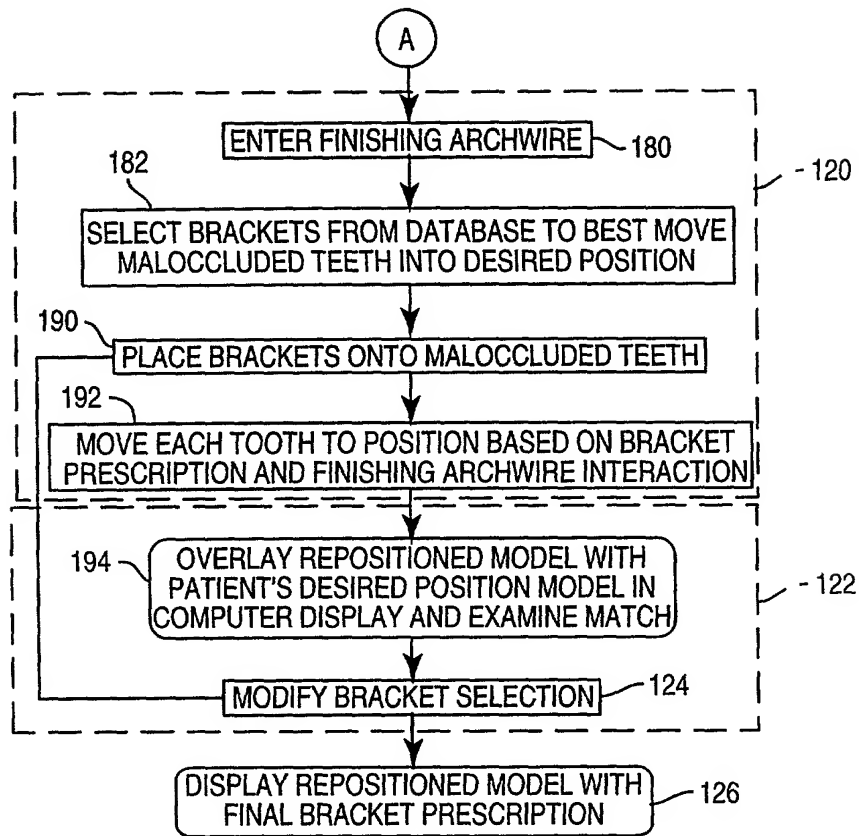
**Fig. 3**

3/16



**Fig. 4A**

4/16



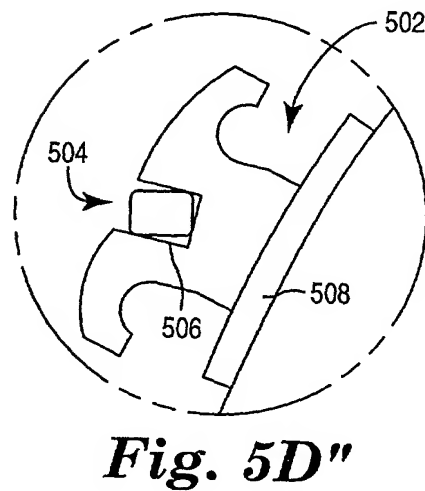
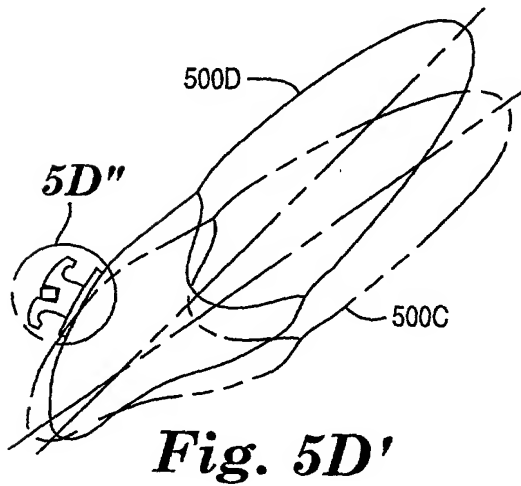
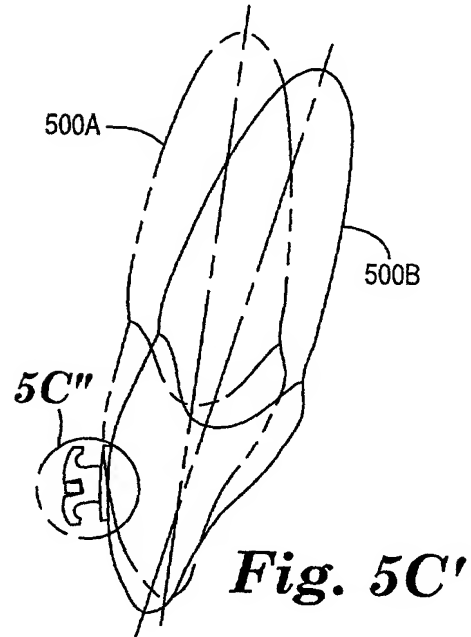
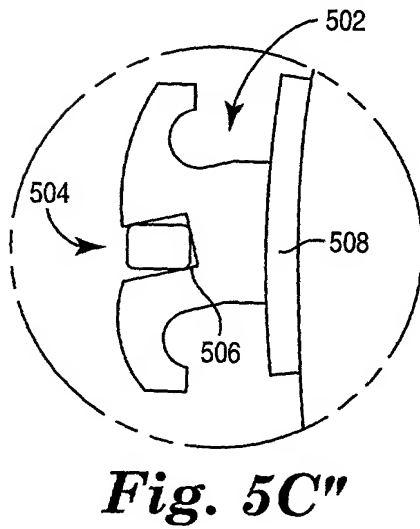
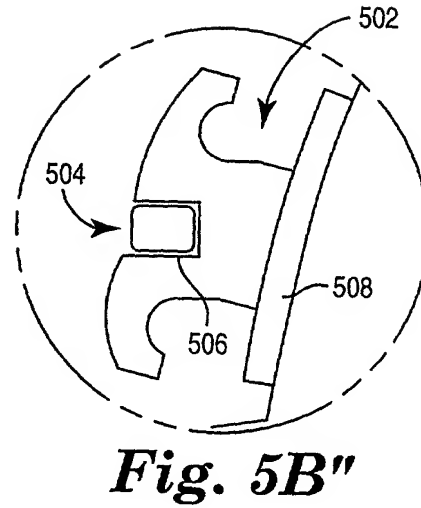
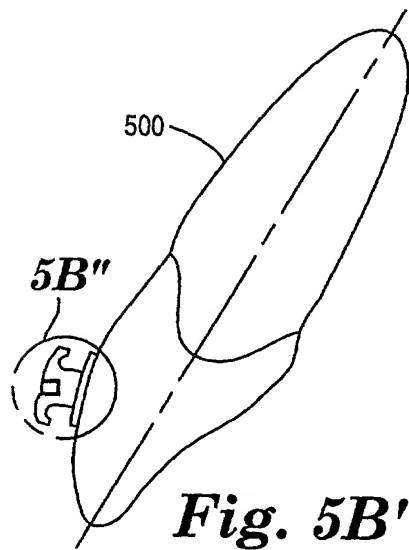
**Fig. 4B**

170

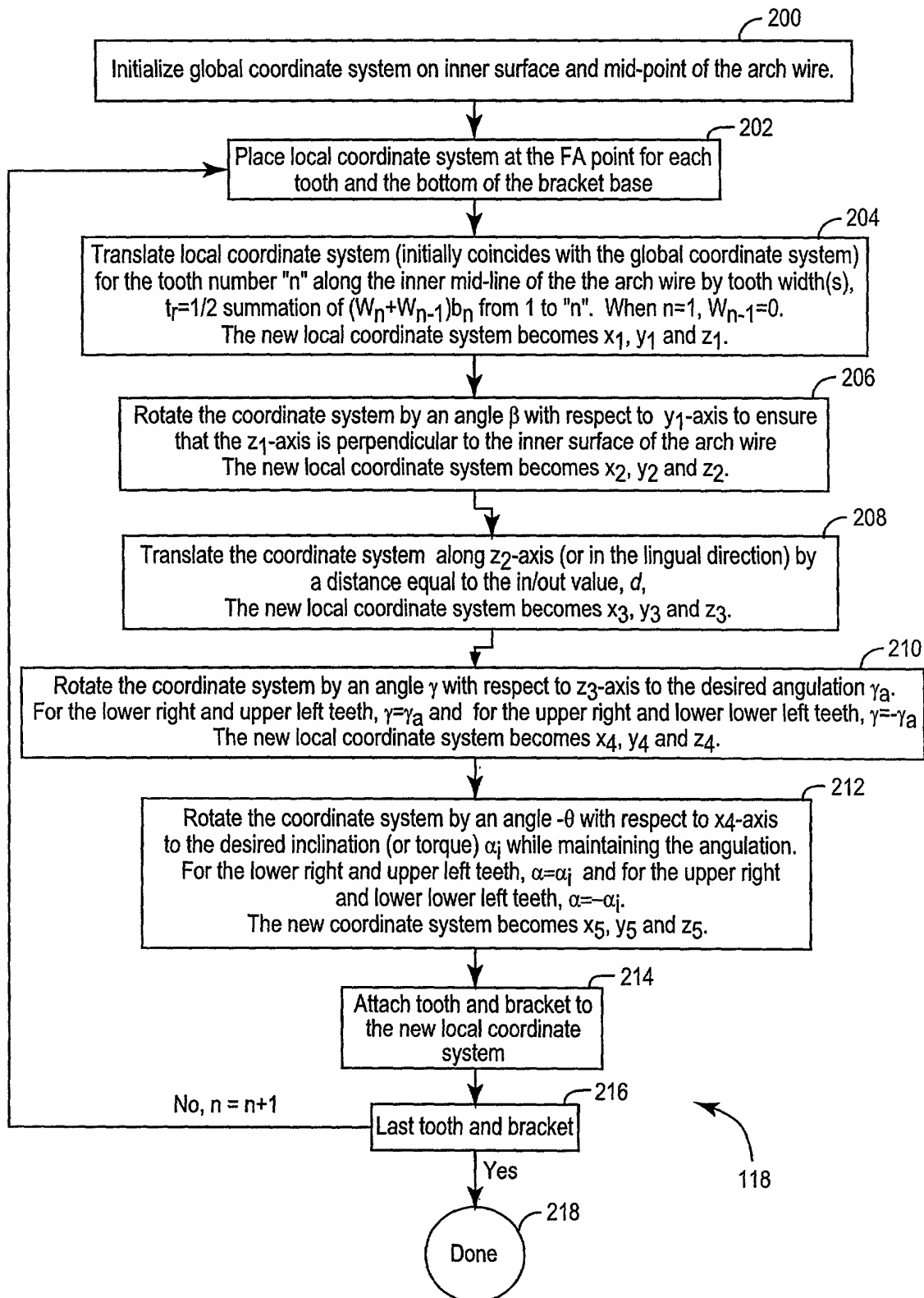
	Tooth #	7	6	5	4	3	2	1
Upper Arch	in/out, mm	1	1	1.4	1.5	1.4	2.25	1.8
	Angulation, deg	5	5	2	2	11	9	5
	Torque, deg	-9	-9	-7	-7	-7	3	7
Lower Arch	in/out, mm	1	1	1.15	1.15	1.6	2.3	2.3
	Angulation, deg	2	2	2	2	5	2	2
	Torque, deg	-35	-30	-22	-17	-11	-1	-1

**Fig. 5A**

5/16

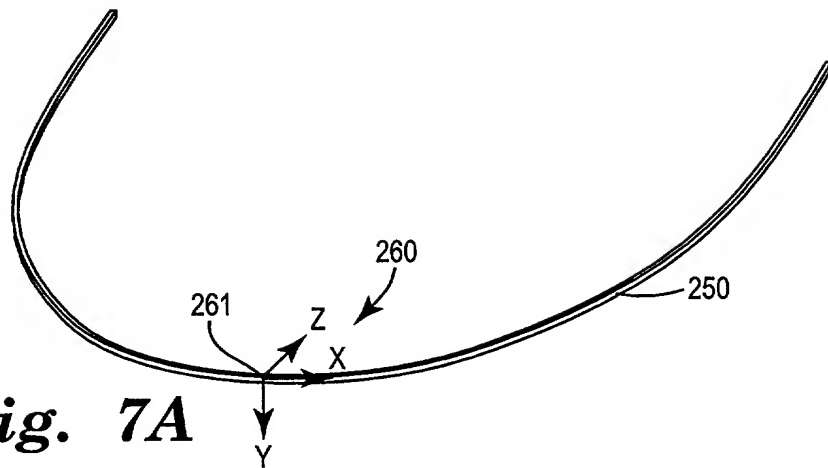


6/16

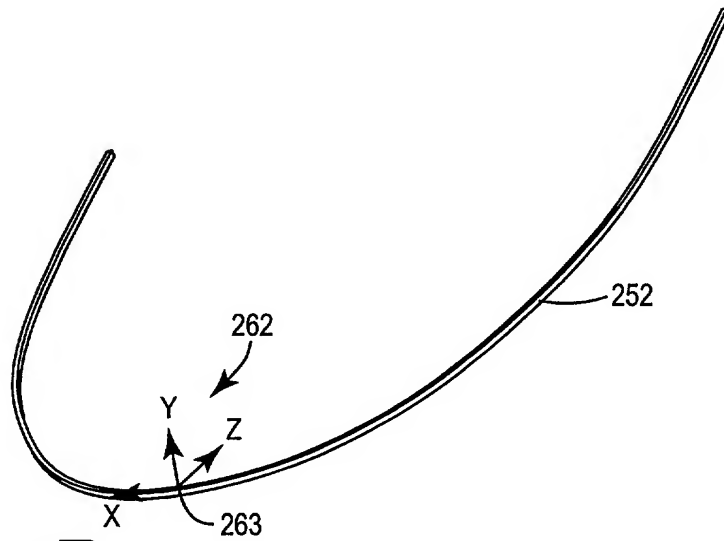


**Fig. 6**

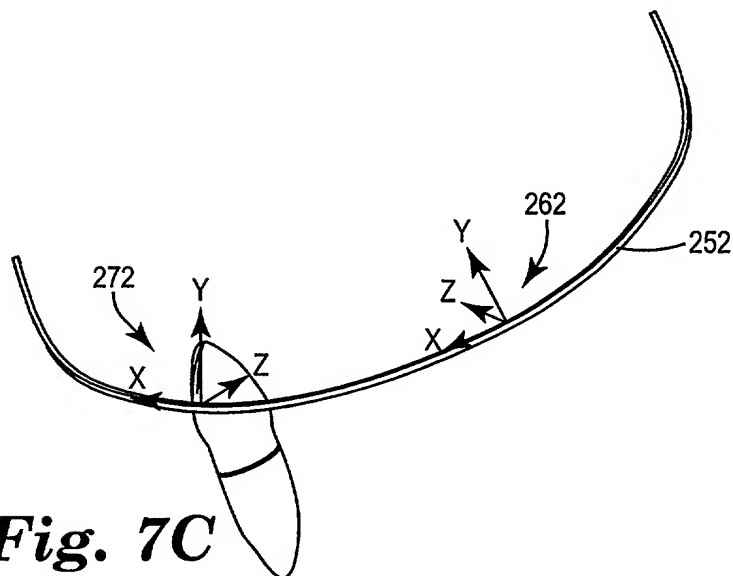
7/16



**Fig. 7A**

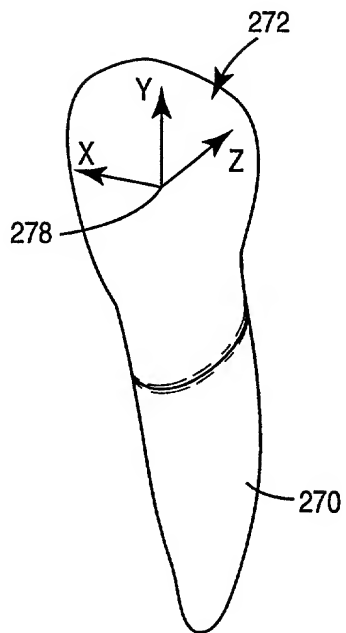


**Fig. 7B**

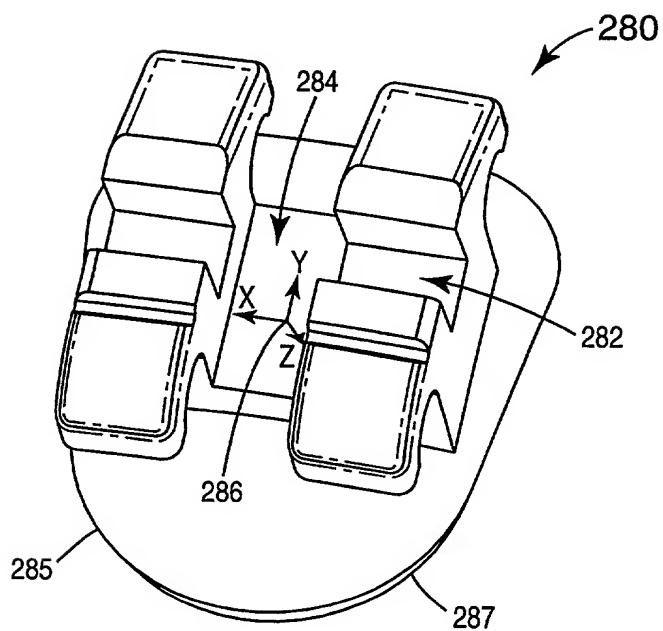


**Fig. 7C**

8/16



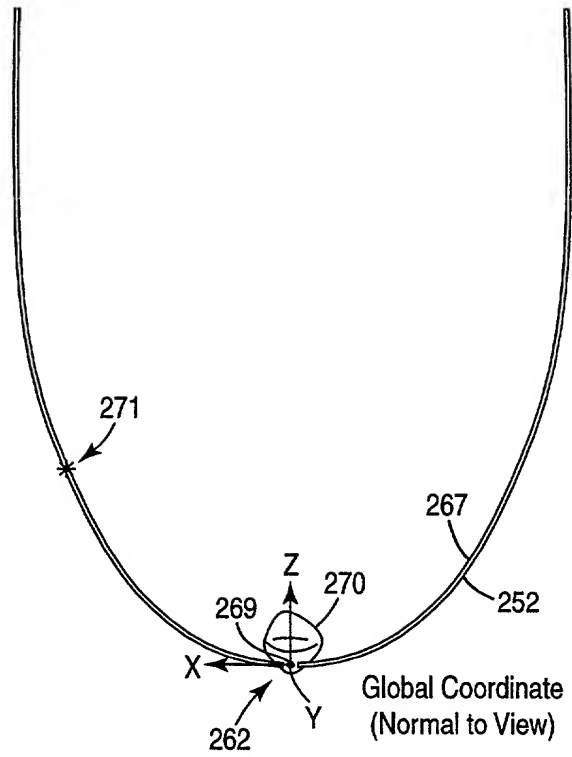
**Fig. 8**



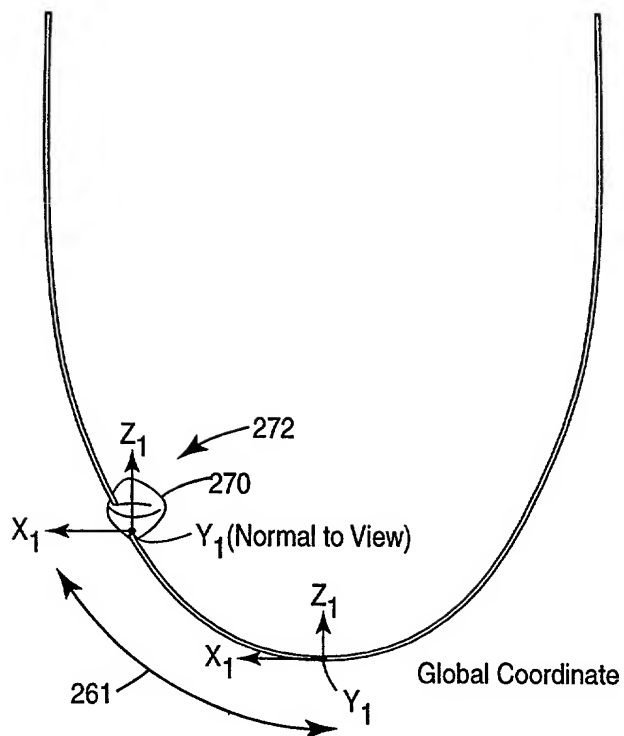
**Fig. 9**



9/16

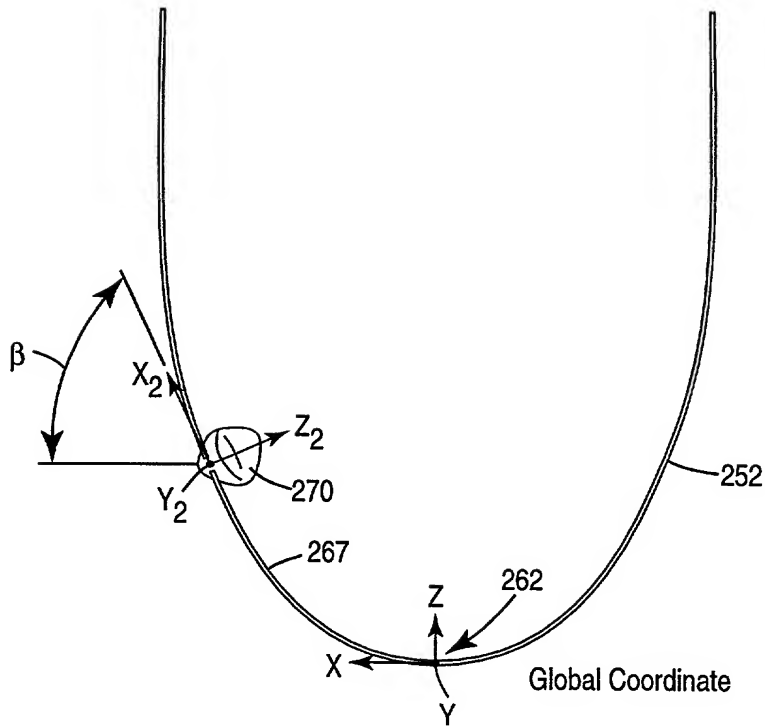


**Fig. 10A**

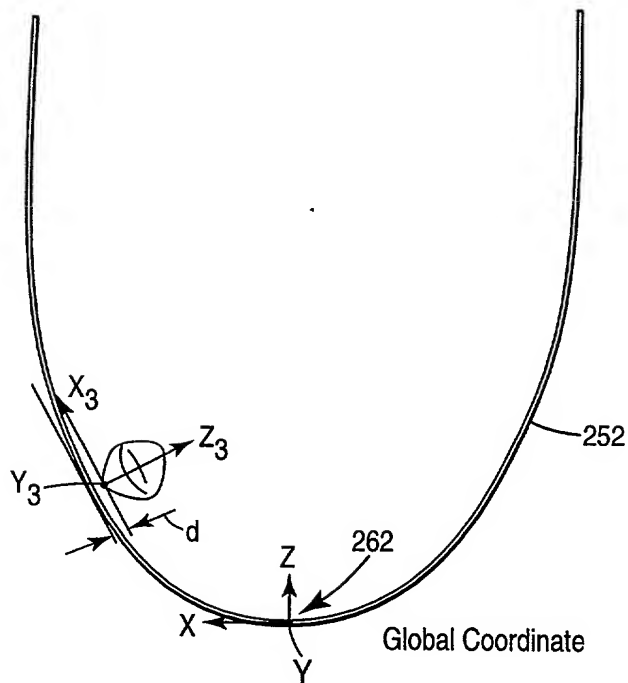


**Fig. 10B**

10/16

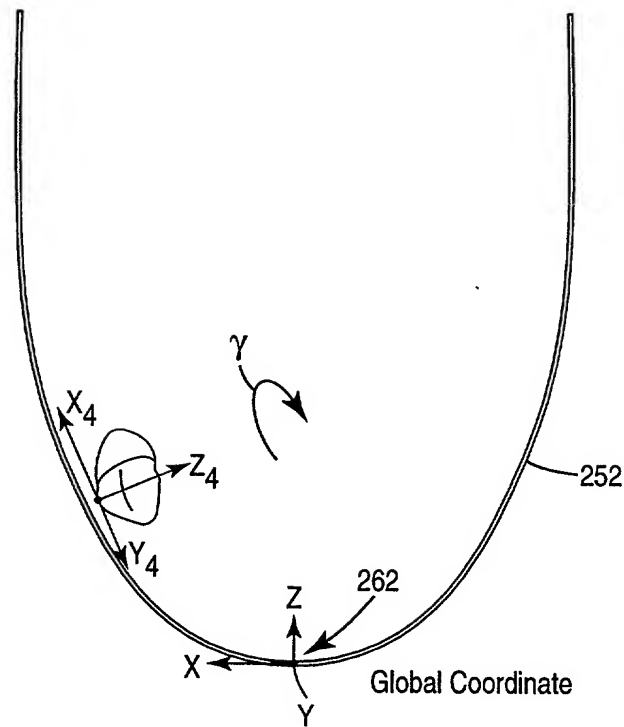


**Fig. 10C**

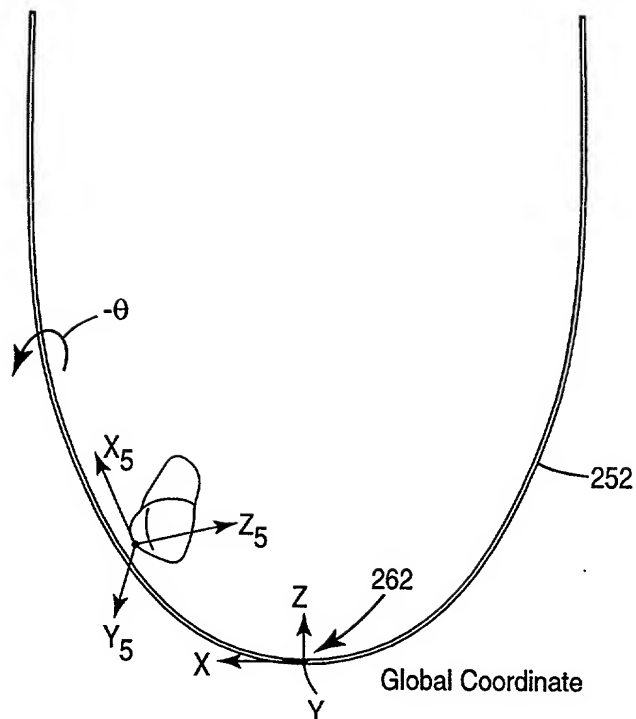


**Fig. 10D**

11/16

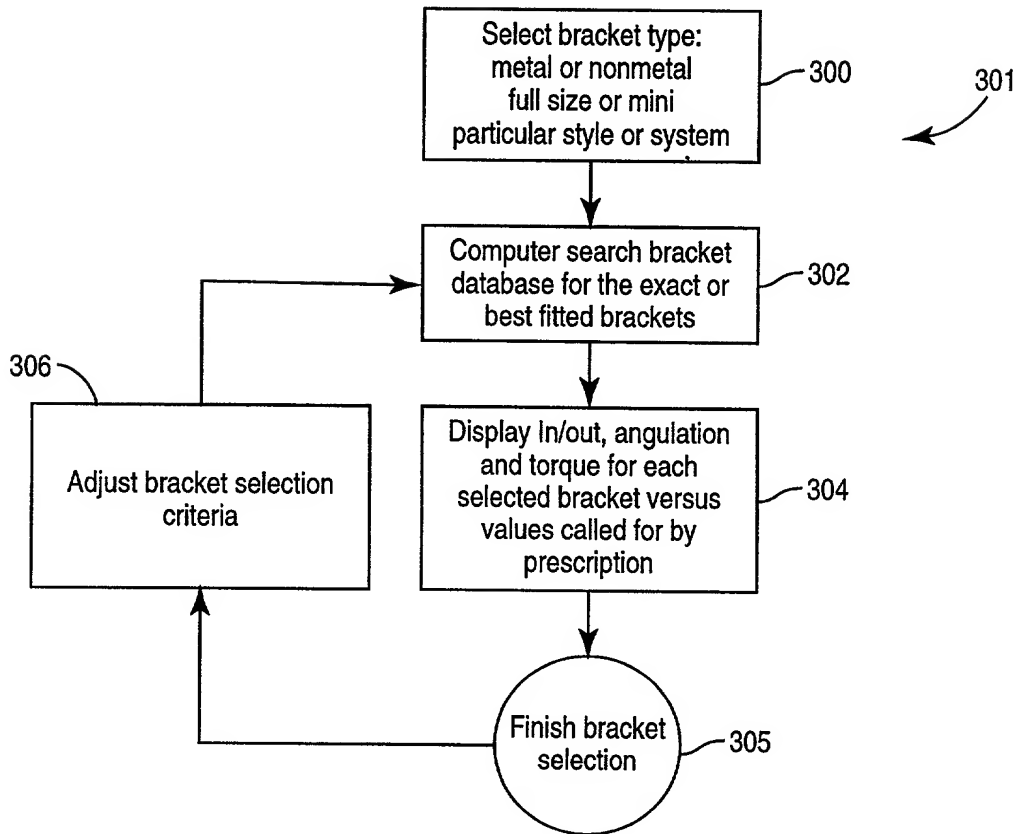


**Fig. 10E**



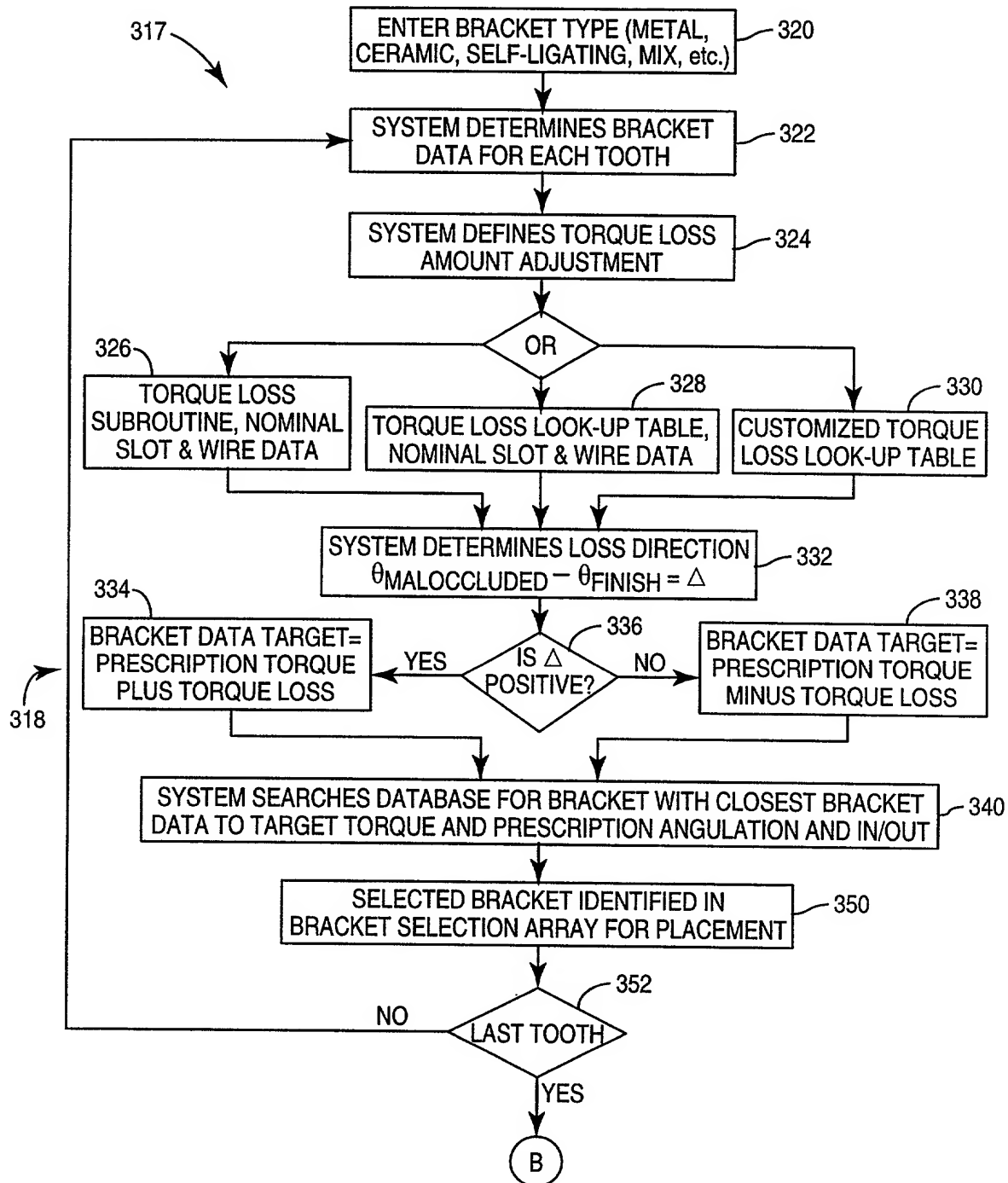
**Fig. 10F**

12/16



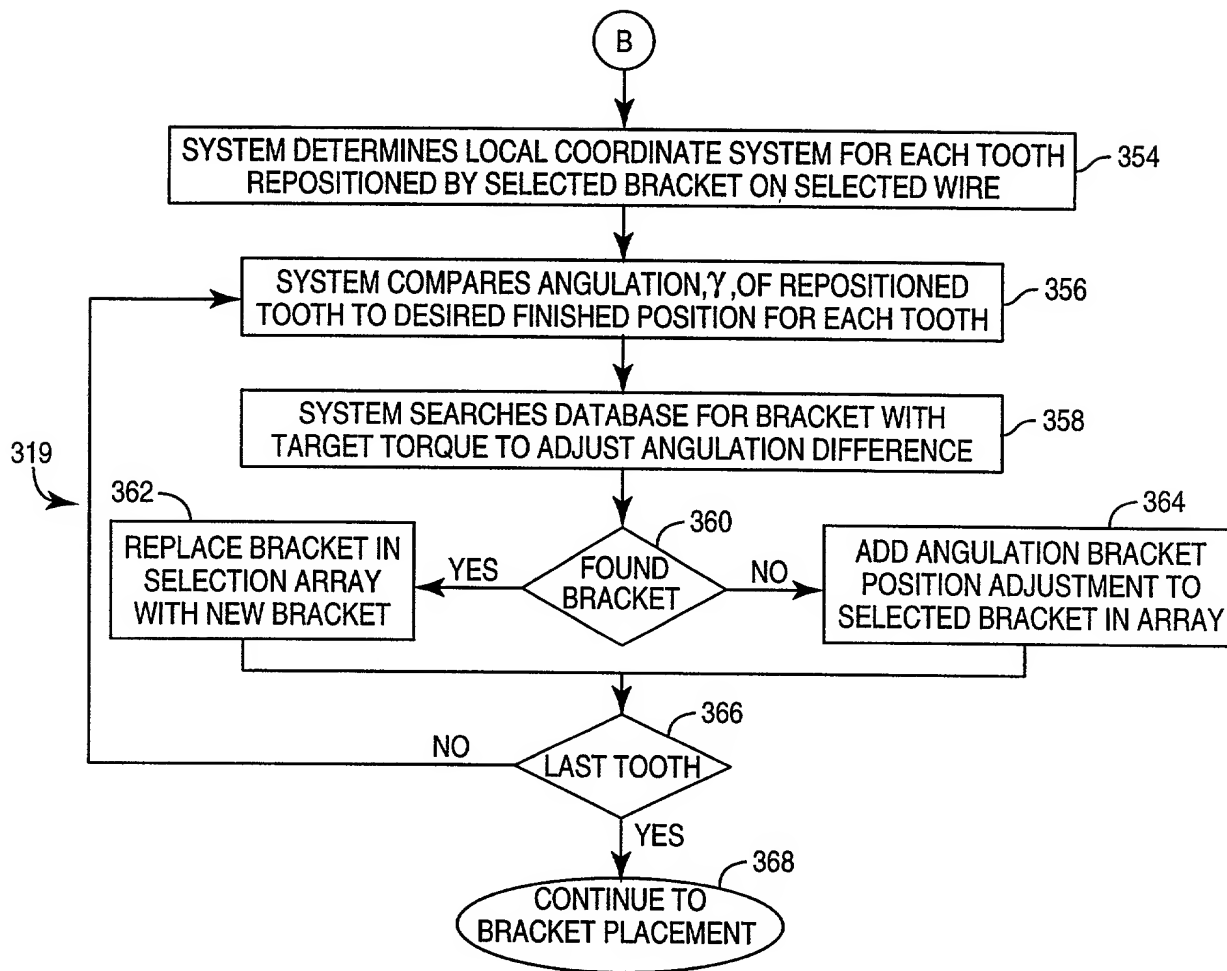
*Fig. 11A*

13/16



**Fig. 11B**

14/16



*Fig. 11C*

15/16

**Bracket Selection Criteria**

402

Lower arch bracket name	torque, deg.	angulation, deg.	angulation, deg.	in/out, mm	left/right
Anterior	>-5	0	0	1.5	L/R
Cuspid	-7	>=2	<=5	0.76	L
1st Bicuspid	-7	0	0	0.76	L/R
2nd Bicuspid	-17	>=2	<=4	0.89	L

**Fig. 12A**

**Brackets Selected Using Advanced Filtering with Selection Criteria Above**

Lower arch bracket name	torque, deg.	angulation, deg.	in/out, mm	hook	left/right	part no. for .018" slot	part no. for .022" slot
Anterior	-1	0	1.5		L/R	017-419	017-519
Anterior	-1	0	1.5	D	L/R	017-440	017-540
Anterior	0	0	1.5		L/R	017-603	017-703
Cuspid	-7	5	0.76		L	017-579	017-679
Cuspid	-7	5	0.76	M	L	017-611	017-711
Cuspid	-7	5	0.76	D	L	017-581	017-681
1st Bicuspid	-7	0	0.76		L/R	017-805	017-905
2nd Bicuspid	-17	2	0.89		L	017-797	017-897
2nd Bicuspid	-17	2	0.89	D	L	017-811	017-911

406

**Fig. 12C**

16/16

**Brackets in Database**

Lower arch bracket name	torque, deg.	angulation, deg.	in/out, mm	hook	left/right	part no. for .018" slot	part no. for .022" slot
Anterior	-1	0	1.5		L/R	017-419	017-519
Anterior	-1	0	1.5	D	LL	017-439	017-539
Anterior	-1	0	1.5	D	L/R	017-440	017-540
Anterior	-1	0	1.2		L/R	017-660	017-760
Anterior	-6	0	1.5		L/R	017-792	017-892
Anterior	-5	0	1		L/R	017-422	017-522
Anterior	-5	0	1.5	D	LL	017-441	017-541
Anterior	-5	0	1.5	D	L/R	017-442	017-542
Anterior	-10	0	1.5		L/R	017-613	017-713
Anterior	0	0	1.5		L/R	017-603	017-703
Cuspid	-7	6	0.76		L	017-427	017-527
Cuspid	-7	6	0.76		R	017-428	017-528
Cuspid	-7	6	0.76	D	L	017-429	017-529
Cuspid	-7	6	0.76	D	R	017-430	017-530
Cuspid	-6	3	0.76		L	017-793	017-893
Cuspid	-6	3	0.76		R	017-794	017-894
Cuspid	-7	5	0.76		L	017-579	017-679
Cuspid	-7	5	0.76		R	017-580	017-680
Cuspid	-7	5	0.76	M	L	017-611	017-711
Cuspid	-7	5	0.76	M	R	017-612	017-712
Cuspid	-7	5	0.76	D	L	017-581	017-681
Cuspid	-7	5	0.76	D	R	017-582	017-682
Cuspid	0	3	0.76	D	L	017-771	017-871
Cuspid	0	3	0.76	D	R	017-772	017-872
Cuspid	0	0	0.79		L	017-643	017-743
Cuspid	0	0	0.79		R	017-644	017-744
Cuspid	0	0	0.79	D	L	017-645	017-745
Cuspid	0	0	0.79	D	R	017-646	017-746
1st Bicuspid	-7	0	0.76		L/R	017-805	017-905
1st Bicuspid	-7	0	0.76	D	L	017-807	017-907
1st Bicuspid	-7	0	0.76	D	R	017-806	017-906
1st Bicuspid	-11	0	0.89		L/R	017-586	017-686
1st Bicuspid	-11	0	0.89	D	L	017-587	017-687
1st Bicuspid	-11	0	0.89	D	R	017-588	017-688
1st Bicuspid	-11	0	0.89	M	L	017-649	017-749
1st Bicuspid	-11	0	0.89	M	R	017-650	017-750
1st Bicuspid	-12	2	0.89		L	017-795	017-895
1st Bicuspid	-12	2	0.89		R	017-796	017-896
1st Bicuspid	-12	2	0.89	D	L	017-809	017-909
1st Bicuspid	-12	2	0.89	D	R	017-808	017-908
1st Bicuspid	-17	0	0.89		L/R	017-616	017-716
1st Bicuspid	-17	0	0.89	D	L	017-615	017-715
1st Bicuspid	-17	0	0.89	D	R	017-614	017-714
1st Bicuspid	-17	0	0.89	M	L	017-651	017-751
1st Bicuspid	-17	0	0.89	M	R	017-652	017-752
1st Bicuspid	0	0	0.91		L/R	017-599	017-699
1st Bicuspid	0	0	0.91	D	L	017-601	017-701
1st Bicuspid	0	0	0.91	D	R	017-602	017-702
2nd Bicuspid	-17	0	0.89		L/R	017-589	017-689
2nd Bicuspid	-17	0	0.89	D	L	017-591	017-691
2nd Bicuspid	-17	0	0.89	D	R	017-590	017-690
2nd Bicuspid	-17	0	0.89	M	L	017-653	017-753
2nd Bicuspid	-17	0	0.89	M	R	017-654	017-754
2nd Bicuspid	-17	2	0.89		L	017-797	017-897
2nd Bicuspid	-17	2	0.89		R	017-798	017-898
2nd Bicuspid	-17	2	0.89	D	L	017-811	017-911
2nd Bicuspid	-17	2	0.89	D	R	017-810	017-910
2nd Bicuspid	-22	0	0.89		L/R	017-592	017-692
2nd Bicuspid	-22	0	0.89	D	L	017-593	017-693
2nd Bicuspid	-22	0	0.89	D	R	017-594	017-694
2nd Bicuspid	-22	0	0.89	M	L	017-655	017-755
2nd Bicuspid	-22	0	0.89	M	R	017-656	017-756

400

404

**Fig. 12B**

D=Dolichofacial  
M=Mesofacial